



Part Number : 2111400100

Series Number : 211140

Product Category : Antennas

Product Description : ISM 868/915MHz
Flexible Antenna, 100.00mm Cable Length,
Compatible with U.FL / I-PEX MHF Connectors

Status : Active

Documents & Resources

Drawings

Drawing 2111400100_sd.pdf

Packaging Design Drawing 2111400100-001.pdf

3D Models and Design Files

3D Model 2111400100_stp.zip

Specifications

Application Specification 2111400100-000.pdf

Product Specification 2111400100-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration

- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Antennas
Series	211140
Description	ISM 868/915MHz Flexible Antenna, 100.00mm Cable Length, Compatible with U.FL / I-PEX MHF Connectors
Component Type	Flexible Antenna with Cable
Function	Signal
Product Family	Industrial, Scientific and Medical (ISM) Antennas
Product Name	ISM 868/915 MHz Stand Alone
Protocol	LoRa, Neul, SigFox, Z-Wave, Zigbee
Type	Internal, ISM Antenna, LPWAN
UPC	191130157419

Electrical

Band#1 F_End (MHz)	870
Band#1 F_Start (MHz)	868
Band#2 F_End (MHz)	928
Band#2 F_Start (MHz)	902
Electrical Connectivity	Cable
Peak Gain (dBi)	0.3 @ 868 MHz, 1.0 @ 902 MHz
Return Loss - S11 (dB)	< -5
Total Efficiency	>55% @ 868 MHz, >60% @ 902 MHz

Physical

Cable Length	100.00mm
Length	38.00mm
Mounting Style	Adhesive

Net Weight	0.626/g
Packaging Type	PET Film
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	0.10mm
Width	10.00mm

Mates With / Use With

Mates with Part(s)

Description	Part Number
50 Ohms, MCRF, PCB Vertical Jack Receptacle, SMT, 1.25mm Mounted Height	<u>734120110</u>